

**CIRM DISCOVERIES (EXAMPLES AS OF May 16, 2011)**

INSTITUTION/LEAD RESEARCHER	DISEASE RELEVANCE	STATUS	CIRM CONTRIBUTION
<b>HUMAN CLINICAL TRIALS AND ADVANCEMENT OF HUMAN TRIALS</b>			
Stanford/R.R. Pera	IVF	Human clinical trial pending	Shared Laboratory & Techniques Course
City of Hope/Aboody	Brain Cancer	Phase 1, Human trial	Disease Team (Funding 2nd Phase)
UCSD/Jamieson	Myelofibrosis	Phase 2 Human trial	SEED and Training
UCSD/Jamieson	Chronic myeloid leukemia	Phase 1 Human trial	SEED and Training
UCSD/Laurent	Prenatal Diagnostics for Fetal Aneuploidy	Phase 1 Human trial	Faculty II, Tools and Tech
Cedars-Sinai/Marban	Heart	Phase 1 Human trial	Disease Team
UCD	Retinal occlusion and retinopathy	Human trial pending	GMP Facility through Shared Labs & Major Facilities
UCD	Huntington's	Pre-IND submitted	GMP Facility through Shared Labs & Major Facilities
UCD	Heart attack	Human trial ongoing	GMP Facility through Shared Labs & Major Facilities
UCD	Leukemia	Pre-IND submitted	GMP Facility through Shared Labs & Major Facilities
UCSD/Marsala	Chronic Spinal cord injury	Pre-IND	Comprehensive; Immunology
UCD	Bone grafts	Human trial ongoing	GMP Facility through Shared Labs & Major Facilities
<b>DISEASE TEAMS PROCEEDING TOWARDS FDA Phase I (Safety)</b>			
UCSF/Blustone, Novocell, Inc/Baetge	Type 1 diabetes		Disease Team
UCSF/Berger, Ludwig Institute/Cavenue, Burnham/Snyder	Brain Cancer		Disease Team
UCSD/Carspn/Jamieson, University Health Network/Dick	Leukemia		Disease Team
UCLA/Kohn Children's Hospital LA/Marder, Coates	Sickle cell		Training I, Disease Team
Stanford/Lane, Oro, Wernig	Epidermolysis bullosa		Disease Team
Salk/Ludwig, UCSD/Pfaff, Goldstein, Cleveland	Amyotrophic lateral sclerosis (ALS)		Comprehensive, Tools and Tech II, Disease Team
Cidars-Sinai/Marban	Heart attack		Disease Team
UCLA/Chen, Calimmune Inc/Symonds	HIV/AIDS		SEED, Disease Team
UCLA/Nolan, Stanford/Slamon, USC/Press, University Health Network/Tak Wah Mak	Cancer		Disease Team
USC, UCSB, Univ. College London/Humayun; Hinton; Clegg; Coffey	Macular degeneration		Disease Team
Stanford/Weissman, Wealtherall Institute/Majeti, Mitchell, Vyas	Leukemia		Comprehensive, Early Translational II, Disease Team
Stanford/Steinberg, UCLA/Carmichael	Stroke		Disease Team
City of Hope/Zaia, USC/Cannon, Beckman Research Inst./ DiGiusto	HIV/AIDS		Disease Team
<b>RESEARCH DISCOVERY BREAKTHROUGHS</b>			
Stanford/R.R. Pera & Byer	Parkinson's	Published in Cell, Stem Cell	Early Translational
Stanford/J. Wysocka	CHARGE Syndrome	Nature 463, 958-962	SEED
UCLA/W.E. Lowry	Features of hESC, iPSC - all cell therapies	Cell Stem Cell 5, 111-123	SEED
UCSD/C.E. Jamieson	Leukemia; Pre-Leukemia	Cancer Cell 13, 321-330	SEED
Gladstone/D. Srivastava	Heart attack, heart failure, cardiac regeneration	Cell 142, 176-386	Comprehensive, New Faculty II, Training I
Stanford/S. Heller	Deafness	Cell 141, 704-716	Comprehensive
UCSF/A. Kriegstein	Parkinson's	Nature 464, 554-561	Comprehensive
UCSD/Y. Xu	Cancer	Cell Stem Cell 6, 80-89	Comprehensive
Salk/F.H. Gage	ALS	Cell Stem Cell 3, 649-657	Comprehensive
Ludwig/B. Ren	Differentiation - all cell therapies	Cell Stem Cell 6, 479-491	New Faculty
UCSDD. Traver	Blood disorders, Leukemia, immune deficiency	Nature 464 108-111	New Faculty
Scripps/K.K. Baldwin	Mice created from iPSCs - all cell therapies	Nature 461, 91-94	New Faculty
UCLA/K. Plath	iPS cell generation - all cell therapies	Cell 136, 364-377	New Faculty
Stanford/H.M. Blau	Age-related muscle wasting	Cell Stem Cell 7, 198-213	Tools and Technology I, Training II
Stanford/H.M. Blau	Skeletal muscle	Science, online 15 July 2010	Tools and Technology I, Training II
UCSF/Bielloch	Regulation of renewal of mouse ESC - all cell therapies	Nature 463, 621-626	SEED, New Faculty II
UCI/T. Lane	Multiple Sclerosis	PNAS 107, 11068-11073	Training I
Scripps/P. Schultz	Hematopoietic cell expansion - all hematopoietic stem cell therapy	Science 329, 1345-1348	Training II
UCSC/E.C. Forsberg	Leukemia, lymphoma, anemias, immune deficiency	Cell Stem Cell 8, 72-83	New Faculty 1, Training I
UCSD, Salk/Gage and Muotri	Treatment of Rett syndrome	Cell 143, 499-500	Comprehensive; New Cell Lines